Name of work:- Construction of RCC Drains and Culverts at Hill side meadows, Sai Nagar in ward No. 03, Yelahanka Satellite Town sub Division

EMB

"SECOND AND FINAL BILL"

Work: Construction of RCC Drains and Culverts at Hill Side Meadows, Sai Nagar Phase-1 in ward No. 03, Yelahanka Satellite Town sub Division

-Measurement : 15/10/2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
RRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface velled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per ecifications. KPWD S.R 2018-19.									
d Bill									
cc Drain									
.H.E.L Layout									
0th Cross Rd									
.HS From Main Road									
Ch.0.00 to 30.00m		1	30.00	1.10	0.90	29.70			
Ch.30.0 to 44.60m		1	14.60	1.10	0.90	14.45			
Ch.44.6 to 53.6m		1	9.00	1.10	0.90	8.91			
Ch.53.6 to 61.90m		1	8.30	1.10	0.90	8.22			
11th Cross Rd									
LHS From Main Road							C&FC		
Ch.0.00 to 28.00m		1	28.00	1.10	0.90	27.72			
RHS From Main Road									
Ch.0.00 to 30.00m		1	30.00	1.10	0.90	29.70			
Ch.30.00 to 53.60m		1	23.60	1.10	0.90	23.36			
Munishammappa Layout									
1st Cross Rd									
Southern Side									
Ch.0.00 to 20.20m		1	20.20	1.10	0.90	20.00			
					Present Qty	**162.06**	**Cum**		
					Qty Paid in 1st Bill	**2285.77**	**Cum**		
					Total Qty	**2447.83**	**Cum**		
					Deduct Qty Paid in 1st Bill	**2285.77**	**Cum**		
					Present Qty	**162.06**	**Cum**		

Contractor

Assistant Engineer

15/10/2020

Project Management Consultants

Asst. Executive Engineer,

15/10/2020

of Work: Construction of RCC Drains and Culverts at Hill Side Meadows, Sai Nagar Phase-1 in ward No. 03, Yelahanka Satellite Town sub Division

Pre-Measurement : 21.10.2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including cost of materials, labour, HOM completed as per specifications. KPWD S.R 2019-19.									
2nd Bill									
Rcc Drain									
B.H.E.L Layout									
10th Cross Rd									
LHS From Main Road									
Ch.0.00 to 30.00m		1	30.00	1.10	0.15	4.95			
Ch.30.0 to 44.60m		1	14.60	1.10	0.15	2.41			
Ch.44.6 to 53.6m		1	9.00	1.10	0.15	1.49			
Ch.53.6 to 61.90m		1	8.30	1.10	0.15	1.37			
11th Cross Rd									
LHS From Main Road									
Ch.0.00 to 28.00m		1	28.00	1.10	0.15	4.62			
RHS From Main Road									
Ch.0.00 to 30.00m		1	30.00	1.10	0.15	4.95			
Ch.30.00 to 53.60m		1	23.60	1.10	0.15	3.89			
Munishammappa Layout									
1st Cross Rd									
Southern Side									
Ch.0.00 to 20.20m		1	20.20	1.10	0.15	3.33			
					Present Qty	**27.01**	**Cum**		
					Qty Paid in 1st Bill	**367.89**	**Cum**		
					Total Qty	**394.90**	**Cum**		
					Deduct Qty Paid in 1st Bill	**367.89**	**Cum**		
					Present Qty	**27.01**	**Cum**		

Contractor

Assistant Engineer

21.10.2020

Project Management Consultants

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಜಿ.ಬಿ.ಎ.ಎ, ಬೆಂಗಳೂರು-106

Asst. Executive Engineer.

21/10/2020

Work: Construction of RCC Drains and Culverts at Hill side meadows, Sai Nagar in ward No. 03, Yelahanka Satellite Town sub Division

e-Measurement : 13.11.2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
SRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing n position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever ecessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete s per specification.									
B.H.E.L Layout , 2nd Bill									
10th Cross Rd									
LHS From Main Road									
Total drain length=52.9m									
Main bar 10mm dia bar @ 110mm									
0.61kg/mtr									
No of U-bar=480.00Nos		480	2.10		0.61	614.88			
Distribution bar									
Distribution bar 10mm dia @ 140mm									
0.60kg/mtr		15	52.9		0.61	484.035			
11th Cross Rd									
LHS From Main Road									
Total drain length=28.00m									
Main bar 10mm dia bar @ 110mm									
0.61kg/mtr									
No of U-bar=254.00Nos		254	2.05		0.61	317.627			
Distribution bar									
Distribution bar 10mm dia @ 140mm									
0.61kg/mtr		15	28.00		0.61	256.2			
RHS From Main Road									
Total drain length=53.60m									
Main bar 10mm dia bar @ 125mm									
0.61kg/mtr									
No of U-bar=428Nos		428	2.10		0.61	548.368			
Distribution bar									
Distribution bar 10mm dia @ 140mm									
0.61kg/mtr		15	53.60		0.61	490.44			
Munishammappa Layout									
1st Cross Rd									
Southern Side									
Total drain length=20.20m									
Main bar 10mm dia bar @ 125mm									
0.61kg/mtr									
No of U-bar=161Nos		161	2.10		0.61	206.241			
Distribution bar									
Distribution bar 10mm dia @ 140mm									
0.61kg/mtr		15	20.20		0.61	184.83			
						3102.521			
						3.10			
					Present Qty	**3.10**	**Ton**		
					Qty Paid in 1st Bill	**39.34**	**Ton**		
					Total Qty	**42.44**	**Ton**		
					Deduct Qty Paid in 1st Bill	**39.34**	**Ton**		
					Present Qty	**3.10**	**Ton**		

Contractor

Assistant Engineer

13.11.2020

Project Management Consultants

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಜಿ.ಬಿ.ಎ.ಎ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer,

13/11/2020

ne of Work: Construction of RCC Drains and Culverts at Hill side meadows, Sai Nagar in ward No. 03, Yelahanka Satellite Town sub Division

Pre-Measurement :

Detailed Measurements 12.11.2020

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinary, curing, etc., completed as per MORTH specifications									
Bottom Raft 2nd Bill									
Rcc Drain									
B.H.E.L Layout									
10th Cross Rd									
LHS From Main Road									
Ch.0.00 to 30.00m		1	30.00	0.90	0.15	4.05			
Ch.30.0 to 44.60m		1	14.60	0.90	0.15	1.97			
Ch.44.6 to 53.6m		1	9.00	0.90	0.15	1.22			
Ch.53.6 to 61.90m		1	8.30	0.90	0.15	1.12			
11th Cross Rd									
LHS From Main Road									
Ch.0.00 to 28.00m		1	28.00	0.90	0.15	3.78			
RHS From Main Road									
Ch.0.00 to 30.00m		1	30.00	0.90	0.15	4.05			
Ch.30.00 to 53.60m		1	23.60	0.90	0.15	3.19			
Munishammappa Layout									
1st Cross Rd									
Southern Side									
Ch.0.00 to 20.20m		1	20.20	0.90	0.15	2.73			
Side wall									
B.H.E.L Layout									
10th Cross Rd									
LHS From Main Road									
Ch.0.00 to 30.00m		2	30.00	0.15	0.60	5.40			
Ch.30.0 to 44.60m		2	14.60	0.15	0.60	2.63			
Ch.44.6 to 53.6m		2	9.00	0.15	0.60	1.62			
Ch.53.6 to 61.90m		2	8.30	0.15	0.60	1.49			
11th Cross Rd									
LHS From Main Road									
Ch.0.00 to 28.00m		2	28.00	0.15	0.60	5.04			
RHS From Main Road									
Ch.0.00 to 30.00m		2	30.00	0.15	0.60	5.40			
Ch.30.00 to 53.60m		2	23.60	0.15	0.60	4.25			
Munishammappa Layout									
1st Cross Rd									
Southern Side									

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch.0.00 to 20.20m		2	20.20	0.15	0.60	3.64	Cum		
						Present Qty	**51.57**	**Cum**	
						Qty Paid in 1st Bill	**649.69**	**Cum**	
						Total Qty	**701.26**	**Cum**	
						Deduct Qty Paid in 1st Bill	**649.69**	**Cum**	
						Present Qty	**51.57**	**Cum**	

Contractor

Assistant Engineer

13.11.2020

Project Management Consultants

13/11/2020

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ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬಿಬಿಎಂಪಿ
Asst. Executive Engineer,
ಬಿ ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

Work: Construction of RCC Drains and Culverts at Hill Side Meadows, Sai Nagar Phase-1 in ward No. 03, Yelahanka Satellite Town sub Division

Measurement :

Detailed Measurements 25/11/2020

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
RB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface lled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per cifications. KPWD S.R 2018-19.									
le Premeasurement page no.						162.06			
					Present Qty	**162.06**	**Cum**	**211.79**	**34323.32**
SRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically xed, placed in foundation and compacted by vibration including curing including cost of materials, labour,HOM mpleted as per specifications									
ide Premeasurement page no.						27.01			
					Present Qty	**27.01**	**Cum**	**4479.56**	**120995.16**
SRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for RCC work including Straightening, cutting, ending, hooking, placing in position, lapping and/or welding whereever required, tying with binding wire and anchoring to the adjoining members wh									
Vide Premeasurement page no.						3.10			
					Present Qty	**3.10**	**Ton**	**72326.98**	**224395.97**
Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of									
Vide Premeasurement page no.						51.57			
					Present Qty	**51.57**	**Cum**	**7070.20**	**364578.40**

Contractor

Assistant Engineer.

25.11.2020

Project Management Consultants

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಡಿ.ಎ.ಪ್ರ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer,
25/11/2020

e of Work: Construction of RCC Drains and Culverts at Hill side meadows, Sai Nagar in ward No. 03, Yelahanka Satellite Town sub Division

asurement :

Detailed Measurements 25/11/2020

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Supplying and Fixing precast reinforced concrete slab 100mm thick of mix M20 using 20mm and down size graded granite metal using reinforced 10mm dia steel at 150mm C/C both ways cost of transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.									
2nd Bill									
Rcc Drain									
B.H.E.L Layout									
10th Cross Rd									
LHS From Main Road									
Ch.0.00 to 30.00m		1	30.00	0.90		27.00			
Ch.30.0 to 44.60m		1	14.60	0.90		13.14			
Ch.44.6 to 53.6m		1	9.00	0.90		8.10			
Ch.53.6 to 61.90m		1	8.30	0.90		7.47			
11th Cross Rd									
LHS From Main Road									
Ch.0.00 to 28.00m		1	28.00	0.90		25.20			
RHS From Main Road									
Ch.0.00 to 30.00m		1	30.00	0.90		27.00			
Ch.30.00 to 53.60m		1	23.60	0.90		21.24			
Munishammappa Layout									
1st Cross Rd									
Southern Side									
Ch.0.00 to 20.20m		1	20.20	0.90		18.18			
					Present Qty	147.33	Sqm		
					Qty Paid in 1st Bill	1716.84	Sqm		
					Total Qty	1864.17	Sqm		
					Deduct Qty Paid in 1st Bill	1716.84	Sqm		
					Present Qty	147.33	Sqm	2337.00	344310.21
						Total			1088603.06
						12% GST			130632.37
						4% KRIDL			43544.12
						Grand Total			1262779.55

CRFC

Project Management Consultants

Contractor

Assistant Engineer 25.11.2020

CRFC

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ಯಲಹಂಕ ಉಪನಗರ ಪುರಸಭೆ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

25/11/2020